

# RED BUTTE GARDEN GROW LAB PROGRAM



## HANDS-ON SCIENCE LAB CREATES BUDDING YOUNG MINDS

Kids and teachers love this inquiry based, hands-on science program. Designed for second grade, this program experiments with plants that go from seed to seed in 40 days. Kids have fun while learning the full plant life cycle including seed germination, flowering, pollination, seed pod development and seed dispersal – and it meets the science core curriculum, too!

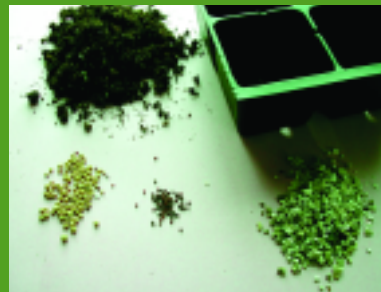
**Program includes** a teacher workshop, 2nd grade lesson plans, supplies & materials, a grow lab light frame, *Brassica rapa* seeds, and a classroom visit.

This program is **FREE** to 2nd grade teachers in pre-designated school districts. Program valued at \$500.



Students in a one-room school in Callao, Tintic School District, enjoy the Grow Lab experience.

## FROM SEED TO SEED



# TURN YOUR STUDENTS INTO PLANT SCIENTISTS!



## 2ND GRADE LESSON PLANS & MATERIALS

Seven lesson plans are designed to teach segments of Utah's integrated core curriculum in Science, Language Art, Math, and Visual Arts. Activities are for inquiry based, hands-on teaching and learning in plant parts, seed germination, flowering, pollination, seed pod development, and seed dispersal. Each teacher who attends the workshop and arranges for a classroom visit receives all supplies and materials needed to teach the lessons. The lesson plans are free to the teachers and can be used annually.

## 2ND GRADE TEACHER WORKSHOPS

The Teacher Workshops are scheduled at Red Butte Garden in Salt Lake City and other cities in Utah. Please call or email for a schedule or to register. Registration is required for participation in the program. Workshops are four hours in length. Principals and District Science Coordinators are invited to attend.

## GROW LAB LIGHT FRAME & PLANT MATERIALS

Grow lab light frame kits are distributed to teachers at the workshop. The kit consists of PVC pipe, PVC pipe connectors, shop lights, fluorescent bulbs, and electrical cords. Each teacher receives *Brassica rapa* seeds, seed trays, soil, vermiculite, and fertilizer.

## CLASSROOM VISIT

A member of the Red Butte Garden Education staff comes to the classroom, teaches the first lesson on seed structure and germination, and guides the teacher and students in planting the *Brassica rapa* seeds.

## TEACHER COMMITMENT

Students love inquiry based, hands-on science and Red Butte Garden makes it easy! Teachers should be prepared to make the time commitment to the workshop and to assist the Red Butte Garden staff member during the classroom visit. Because the lesson plans are designed around the growth cycle of the *Brassica rapa*, the lessons must be completed in sequential order within the 40 day time period. Teachers must complete and return the lesson evaluations to the Red Butte Garden Grow Lab Program.

## MORE INFORMATION

Grow Lab Program 801-597-7511; e-mail: [outreach@redbutte.utah.edu](mailto:outreach@redbutte.utah.edu).

Web site: [www.redbuttegarden.org](http://www.redbuttegarden.org) - Click on Classes and Events, then Teachers and Students.

## RED BUTTE GARDEN OUTREACH PROGRAM

285 Connor Street, Bldg 66, Salt Lake City, UT 84113

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